

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	417	(15/104.09).CQLS.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2008/09/11 11:45
S2	420	(15/104.12).CQLS.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT	OR	OFF	2008/09/11 11:59
S3	1	("5713093").PN.	US-PGPUB; USPAT	OR	OFF	2009/04/22 08:38
S4	2	van with bogaert with rafael. in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/04/22 08:40
S5	711	(15/104.05).CQLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/04/22 08:44
S6	145	(15/104.07).CQLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/04/22 09:31
S7	437	(15/104.31).CQLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/04/22 09:36
S8	272	(15/104.09).CQLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/04/22 09:51
S9	239	(15/104.12).CQLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/04/22 10:00
S10	539	(134/167c,168c).CQLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/04/22 10:08
S11	85110	("15").CLAS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/04/22 12:09
S12	43370	("134").CLAS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/04/22 12:09
S13	1043	S11 and pipe with clean\$3 and interior	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/04/22 12:11
S14	418	S11 and pipe with clean\$3 same interior	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/04/22 12:15
S15	507	S12 and pipe with clean\$3 same interior	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/04/22 12:23

S16	2	alberto with johann with reinhart.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/04/22 12:27
S17	687	(15/104.061).OCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/04/22 12:33
S18	14	("1908339"   "2273347"   "2392144"   "2609556"   "3576043").PN. OR ("5903946").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/22 14:27
S19	5	("3130431").URPN.	USPAT	OR	ON	2009/04/22 14:30
S20	16	("1193005"   "2017042"   "2133035"   "2792807"   "3135629"   "3885521").PN. OR ("4249475").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/22 14:32
S21	16	("1193005"   "2017042"   "2133035"   "2792807"   "3135629"   "3885521").PN. OR ("4249475").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/22 15:01
S22	9	("3525111").URPN.	USPAT	OR	ON	2009/04/22 15:01
S23	1131	S11 and pipe with clean\$3 and rotat\$3 and support\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/04/22 15:26
S24	225	S11 and pipe adj clean\$3 and rotat\$3 and support\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/04/22 15:27
S25	259	S11 and pipe adj clean\$3 and interior	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/04/22 15:45
S26	85110	("15").CLAS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/04/22 18:18
S27	1184599	S26 and pipe adj clean\$3 and head rotat\$3 and support	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/04/22 18:19
S28	51	S26 and pipe adj clean\$3 and head with rotat\$3 and support	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/04/22 18:19
S29	80	S26 and pipe adj clean\$3 and head with rotat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/04/22 18:23
S30	14	("1908339"   "2273347"   "2392144"   "2609556"   "3576043").PN. OR ("5903946").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/26 15:51
S31	5	("3130431").URPN.	USPAT	OR	ON	2009/04/26 15:52

S32	16	("1193005"   "2017042"   "2133035"   "2792807"   "3135629"   "3885521").PN. OR ("4249475").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/26 15:54
S33	9	("3525111").URPN.	USPAT	OR	ON	2009/04/26 16:00
S34	20	("2604521"   "3078823"   "3099227"   "4369713").PN. OR ("4418437").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/26 16:00
S35	85135	("15").CLAS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/04/26 16:02
S36	43398	("134").CLAS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/04/26 16:02
S37	1589	S35 and tube with clean\$3 and interior	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/04/26 16:06
S38	0	S37 and radial and longitudinal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/04/26 16:07
S39	190	S37 and radial and longitudinal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/04/26 16:07
S40	227	S35 and tube adj clean\$3 and interior	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/04/26 16:08
S41	27	S35 and (tube or pipe) adj clean\$3 and sewage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/04/26 16:15
S42	19	("0595971"   "1036735"   "1132690"   "1132691"   "1163624"   "1498446"   "1717986"   "2062850"   "3525112").PN. OR ("5713093").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/26 16:19
S43	68	S35 and (tube or pipe) with clean\$3 and sewage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/04/26 16:34
S44	52	S36 and (tube or pipe) adj clean\$3 and sewage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/04/26 16:54
S45	241	S36 and clean\$3 same sewage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/04/26 16:57
S46	93	S35 and clean\$3 same sewage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/04/26 17:04

S47	33	("1746071"   "2399544"   "2445645"   "2480358"   "2851061"   "3058137"   "3108012"   "3125464"   "3525111"   "3703947").PN. OR ("3885521").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/26 17:08
S48	272	(15/104.09).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/04/26 17:25
S49	239	(15/104.12).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/04/26 17:25
S50	21	S48 and clean\$3 with sew\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/04/26 17:26
S51	20	S49 and clean\$3 with sew\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/04/26 17:28
S52	327	(15/104.09,104.12).CCLS.	USOCR	OR	OFF	2009/04/26 17:36
S53	8	((("20060042032") or ("3130431") or ("3525111") or ("3885521") or ("4249475") or ("4418437") or ("5903946") or ("6966950")).PN.	US-PGPUB; USPAT	OR	OFF	2009/04/26 17:42
S54	0	("29andheadandrotat\$3andcut\$4").PN.	US-PGPUB; USPAT	OR	OFF	2009/04/26 17:43
S55	3	S53 and head and rotat\$3 and cut\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/04/26 17:43

4/ 27/ 2009 8:18:30 AM

C:\Documents and Settings\nguyen9\My Documents\EAST\Workspaces\10537024.wsp